

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** November 2, 2005

**Inspector:** Diana Walden and Lee Curtis

**Location:** Overhead Line (Composite 345kV and 115kV Gallows Hill to Archers Lane)

**Storm/**

**Rain Event:** Only a trace of rain was reported since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> <li>- The ROW is accessible from Gallows Hill Road by an existing trail path with a swing gate, an approved access path in from the east of the ROW, and the access road previously used for the Archers Lane substation. 11/2/05</li> <li>- The ROW has dried out since the last inspection but remain aware of any ruts created from tracking. 11/2/05</li> <li>-The first low spot/wetland crossings in from Gallows Hill has worked very well to filter out sediment from the wetland. 11/2/05</li> <li>- Sediment tracking was not noted during this inspection. 11/2/05</li> </ul>	<ul style="list-style-type: none"> <li>-Most roads are in good shape. Consider using mats whenever the soil is not stable enough. If any areas still have ruts at the end of the work, it will have to be regraded to return to original conditions. 11/2/05</li> <li>- The wetland areas will be restored when all work in this section is completed as this is considered temporary access. See erosion control section for more detail. 11/2/05</li> <li>- Continue to monitor to see if it is a continuous problem. 11/2/05</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>-Open excavations and drilling operations continue at a number of other structure locations along the ROW on both the Gallows Hill and Archers Lane portions. 11/2/05</li> <li>-The stockpile is still in place at the second structure in from Gallows Hill but the concrete</li> </ul>	<ul style="list-style-type: none"> <li>- Although there was some excavate placed at some sites, most are in upland areas and well contained. 11/2/05</li> <li>-No further issues with sediment to the wetlands here were noted. 11/2/05</li> </ul>

Areas of Inspection	Observation	Recommended Action
	<p>foundation is now in place. 11/2/05</p> <p>- Concrete foundations have also been poured in several locations. 11/2/05</p>	<p>- None at this time. 11/2/05</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p> <p>Erosion and Sediment Controls</p>	<p>-Silt fence is still mostly in place along the low wetland spots on the access path. The silt fence has started to come untoed in one spot at the first crossing in from Gallows Hill. 11/2/05</p> <p>- Further sedimentation was not noted in this wetland and haybales were still in place. 11/2/05</p> <p>- Silt fence was in place around several stockpiles on the ROW. The one at the second structure near the wetlands is well enclosed. The others are in upland locations. One of the upland areas of silt fence was partially overwhelmed by sediment. 11/2/05</p> <p>- Two separate tarp/basins were noted on the ROW which were used either for concrete washouts or dewatering the foundations. 11/2/05</p> <p>-Clearing occurred at the transition station/ROW edge at the recently approved access road location. Conditions had been muddy and erosion controls may need to be extended here if this is still the case. 11/2/05</p>	<p>- The silt fence has done a very good job of keeping turbid water out of the wetlands. It should be maintained here to continue its use. 11/2/05</p> <p>-Continue to monitor this area but none at this time. 11/2/05</p> <p>- Continue to maintain controls while the piles are present. 11/2/05</p> <p>- Continue to use these areas. The material was contained at this time and nothing was noted on the ground. 11/2/05</p> <p>-Determine if there is a need to install more erosion control in this location. 11/2/05</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>-The D&amp;M plan approved stone on geotextile fabric at the first wetland crossing is still working very well but the silt fence needs to be toed back in. 11/2/05</p>	<p>- None at this time, the crossings have been constructed. As the access is considered temporary, the stone will be removed when final work ends so the</p>

Areas of Inspection	Observation	Recommended Action
	<p>-The wetlands at the 2<sup>nd</sup> structure in from Gallows Hill Rd. remain un-impacted and the foundation has already been installed. 11/2/05</p>	<p>wetlands can be restored. 11/2/05</p> <p>- None at this time. Continue to monitor while bare soil and the stockpile are in place here. 11/2/05</p>
State species of concern, threatened and endangered species	<p>- The overhead portions have been identified as having potential habitat for several state listed species, including several species of turtles and plants. This particular portion of overhead work includes the turtle habitat area. 9/15-11/2/05</p> <p>-The Eastern box turtle has not been observed since the first sighting. 11/2/05.</p>	<p>-Crews have been doing daily sweeps for any turtles in the work areas and noting the results of their efforts on daily construction reports. 11/2/05</p>
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-The ROW had been mowed in this section in order to allow for truck access and foundation construction. Vegetation that did not need to be removed was left in place on either side of the access path 9/15-11/2/05</p> <p>- Further clearing at the Archers Lane/ROW edge was done by CL&amp;P for the recently approved access road to a new structure to be constructed just off the station yard. 11/2/05</p>	<p>-None at this time. In general limit clearing to those areas necessary. 11/2/05</p> <p>- Determine whether erosion controls should be extended here. Keep clearing to the area necessary. 11/2/05</p>
Dewatering	<p>- Active dewatering was not noted at the time of the inspection but it has been completed at the structure closest to the wetlands. Two tarp basins were placed within the ROW for turbid dewatering from the foundation holes or concrete washouts. 11/2/05</p>	<p>- No sediment issues were noted in the wetland at this time. 11/2/05</p> <p>- Release water to the ground only in well vegetated areas and if it will not reach any resource areas. 11/2/05</p>
Blasting	<p>-No blasting has been necessary at this time except in the adjacent Archers Lane transition station. 11/2/05</p>	<p>-None at this time. 11/2/05</p>

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	<ul style="list-style-type: none"><li>- No further spills were noted at this inspection. 11/2/05</li><li>- It appears that some controlled areas were set up either for concrete washouts or dewatering. Uncontrolled concrete washouts are not permitted on the ROW per the D&amp;M plan. 11/2/05</li></ul>	<ul style="list-style-type: none"><li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site</li><li>- Keep adequately size fuel kits for worst case scenarios.</li><li>- Report spills immediately, even if they are being controlled.</li><li>- Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. Use proper storage for all materials.</li></ul>
Additional Observations		

**Next likely scheduled inspection:**

Thursday November 10, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden





Overhead ROW: Both photos show washout areas for either concrete or dewatering of excavations. The photo on the left is for work on the Gallows Hill Rd. side of the ROW while the photo on the right is closer to Archers Lane. 11/2/05



Photo on the left shows a foundation poured at the second structure in from Gallows Hill. Photo on the right shows the stockpile remaining at this location with wetlands beyond. 11/2/05





View of the flooded low spot/wetland crossing along the ROW. These crossings are well installed but the silt fence has started to pull out of the rocks in some spots and should be maintained.

11/2/05



View of drilling activity for structure installation on the Archers Lane side of the ROW. 11/2/05





Photo on the left shows work on another structure foundation. Photo on the right shows where sediment has partially overwhelmed the silt fence but wetlands are not in the vicinity. 11/2/05



View of another structure excavation and the resulting sediment. Again, this area is considered upland with no adjacent resource areas. 11/2/05